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CENTRAL INTELLIGENCE AGENCY

## INFORMATION REPORT

COUNTRY USSR

DATE DISTR. 3 JAN 53

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SUBJECT Nomenclature of Petroleum Products in the  
Volga-Caspian Area

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PLACE  
ACQUIRED 25X1NO. OF ENCLS. AMS  
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- 1.
2. Solar oil is the best grade of Diesel fuel and is frequently mixed with poorer grades of Diesel fuel (distoplivno) for the sake of economy. I have heard that solar oil is used as a fuel for submarines. I have also heard that gas oil is used as a light motor fuel (motornoe topivno). The various types of oil which were scarce were turbine, aviation and in general winter grade oils.
3. There are three types of US-made Diesel engines in use in the Soviet Union. They are Washington, Cooper-Bessemer and Werthington. The difficulties which have been experienced with these engines were usually due to the poor grade of fuel and lubricants which the Soviets use.
4. To my knowledge there were no shortages of the following Avtols: 4, 6, 8, 16, 18.
5. Lubricating mazut was thrown away when used once, but the better grades of lubricating oil were run through separators and reused.
6. A few of the various types of oil and the Russian terms commonly used for them are: Compressor oil - kompressornoe maslo; spindle oil - veretennoe maslo; transformer oil - transformatornoe maslo.
7. Greases were not transported by either Reydtanker or Kasptanker as they were packaged. Soviet grease is generally transported in barrels. Generally US greases were considered excellent and were hoarded by the people fortunate enough to have a supply on hand.

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ORR	EV	ARMY	X	AIR	X	NAVY	X	DISTRIBUTION											
STATE	DEF	ARMY	X	AIR	X	NAVY	X	981	X										

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8. The color of ethylated gasoline was changed from blue to violet in 1950. I am uncertain as to the reason for changing the color of this fuel but I heard that it was to better distinguish it from US gasoline and also to avoid gasoline being confused with alcohol as the latter also had a blue color. All gasolines are ethylated and many precautions are taken to lessen the danger of tanker crews being poisoned by the fumes. In spite of these precautions, however, in 1948 an entire crew of the tanker Koschgyl, 4560 tons, suffered from lead poisoning.
9. Automobile gas, B-40/45 (octane numbers), was hauled in fairly small amounts. B-100 and B-70 were the bulk of the gasolines transported in the Caspian Sea.
10. Benzol was not transported in the Caspian Sea. I know it to be a by-product of coal which is usually mixed with gasoline as a fuel for automobiles.
11. When I first went to work [redacted] there was not very much kerosene transported, but there was a gradual increase due to the demands of the aviation industry which culminated in a total of about 1,000,000 tons per year being shipped by June, 1951. A considerable amount of this kerosene went to Saratov where there is an extensive aviation network (set) composed of air fields, an excellent training school for pilots and a few plants of the aviation industry as well.
12. Some of the types of kerosene with which I am familiar are: a) tractor kerosene which is a medium dark yellow and a heavier product than gasoline, b) lamp kerosene which is a light blue, an almost clear fluid, and is much cleaner than tractor kerosene. c) Ligroin has a relatively greater density than all kerosenes and is used exclusively for tractors. Kerosene is used in jet fuel.

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